Assuring Delivery Of Web Applications For Bottom Line Results

Data center simplification and the growing migration to web-enabled applications are driving the need for a new class of multi-function optimization devices. The Stampede FX Series combines both one-sided application delivery and two-sided WAN optimization into a single platform with the added flexibility of unparalleled remote side software WAN optimization options. The FX Series delivers unprecedented application performance, optimization, transparency, availability and management for existing networks.

Productivity and Performance

The Stampede FX Series WAN optimization improves access to your applications two ways. Utilizing content reduction techniques, the amount of data can be reduced by a factor of two or greater. The content reduction in tandem with acceleration techniques shrinks access times to your data by a factor of 5 or 10, or even greater.

Transparent Assured Delivery

With flexible options for in-line or Cisco's Web Cache Communication Protocol (WCCP), the FX Series devices deliver unprecedented transparent optimization. End-to-end assurance is maintained for all applications providing complete transparency and the ability for existing Quality of Service (QoS) and network visibility management programs to continue monitoring the health of your network.

Availability

Business critical applications requiring 24/7 availability will always perform optimally no matter how fast your organization grows. The Stampede FX platforms support deployments in either N+N or N+1 configurations. Simply add additional FX devices as needed for increased scalability or failover protection.

Typical Users
• Internet Service Providers (ISPs)
• Enterprise
• Offshore/Maritime
• Telecommunications Operators
• Satellite Operators
• Managed Service Providers

Common Applications
• High-speed content delivery
• HTTP and TCP optimization & acceleration
• Internet access
• Corporate networks

Key Benefits
• Provides up to 80% bandwidth savings in both directions
• Enables measurable (5-10 times) reduction in response time for users
• Delivers CAPEX for OPEX payback typically in 3-4 months
• Scales easily for small, medium and high volume networks
• Simplifies configuration and installation into existing networks via client IP transparency

Management

The FX platforms provide total insight through real-time information including over 100 real-time statistics providing extensive details on all inbound and outbound traffic. Historical data for days or months are easily viewed via online graphs, simplifying capacity planning, trending, network issues, and application troubleshooting. Management information can be obtained via an intuitive Web GUI or SNMP.

Flexibility

Stampede's FX Series platforms provide a comprehensive range of flexible options for total transparent 24/7 operation within your existing or growing network infrastructure. No matter what your application acceleration or WAN optimization requirements are today or in the future, Stampede's FX platform solutions will handle all your business critical applications with ease. Whether your installation requires small, medium or large branches or the consolidation of multiple remote or enterprise data centers, Stampede has the solution for your organization's needs.

Compatible with Advanced VSAT Solutions

The Stampede FX-series products can be added to an Advanced VSAT Solutions network for WAN optimization and application acceleration. The results can be significant improvements in user experience and a reduction by 20-80% in required bandwidth for TCP traffic.

Solutions
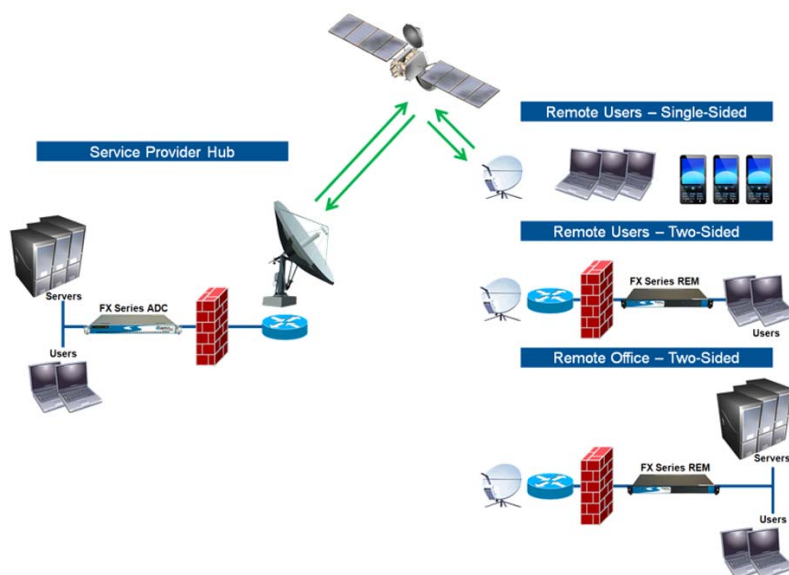
Deploy the Stampede FX Series (ADC) as a single-sided solution to optimize traffic from your outbound channel. For a two-sided solution, add the FX Series Remote (REM) appliance or our remote software clients and achieve the ultimate in application acceleration and WAN optimization.

FX Series Models	FX-1000 REM	FX-1000 ADC		FX-4000 REM	FX-4000 ADC	
Max Concurrent Sessions (a) (b)	3,000 (b)	1,500 (a)		10,000 (b)	25,000 (a)	
Data Rate Options Mbps	2,4,6,10,15	2,4,6,10		10,15,25,45,70, 155	10,15,25,45,70, 155	
	Two-Sided	**Single-Sided**	**Two-Sided**	**Two-Sided**	**Single-Sided**	**Two-Sided**
Load Balancing via WCCP		✓			✓	
Connection Management	✓	✓	✓	✓	✓	✓
Bandwidth Pooling		✓			✓	
Traffic Prioritization	✓		✓	✓		✓
IP Source Preservation	✓	✓	✓	✓	✓	✓
Content Reduction						
GZIP Compression (c)		✓			✓	
Bi-directional Compression	✓		✓	✓		✓
Image Reduction (d)	✓	✓	✓	✓	✓	✓
Dynamic Data De-duplication	✓		✓	✓		✓
Content Caching						
Static Caching	✓	✓	✓	✓	✓	✓
Cache Differencing	✓		✓	✓		✓
Content – Pre-Caching	✓		✓	✓		✓
TCP Optimization	✓		✓	✓		✓
Multiplexing Data Streams	✓		✓	✓		✓

Notes:

(a) Number of accelerated sessions for single-sided ADC only mode. Two-sided accelerated sessions are the same as the number of corresponding REM sessions.

(b) Number of accelerated sessions for two-sided ADC to REM mode.

(c) Maximum accelerated WAN rates are a function of compressibility. If all content is being GZIP compressed with a compression ratio of greater than 4:1, the maximum WAN rate may not be accelerated.

(d) The number of images handled per second is a function of image size. For 10 KB images, 800 images per second; for 50 KB images, 350 images per second; for 500 KB images, 34 images per second.

FX Series Hardware		
	FX-1000	**FX-4000**
Form Factor	1RU	1RU
Memory	2 GB	8 GB
Storage	(1) 160 GB SATA	(1) 500 GB SATA
Network Interface/Fail to Wire	(4) 10/100/1000	(4) 10/100/1000
Power Supply – UL Approved, FCC Compliant	200 W (Auto 100 V-200 V)	200 W (Auto 100 V-200 V)
System Warranty	1 Year of hardware/software support, maintenance and updates	
Approvals	CE / FCC / UL / CSA / RoHS / WEEE	